

Sussex County, New Jersey

PohA—Pompton sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: b09n

Mean annual precipitation: 30 to 64 inches

Mean annual air temperature: 46 to 79 degrees F

Frost-free period: 131 to 178 days

Farmland classification: All areas are prime farmland

Map Unit Composition

Pompton and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pompton

Setting

Landform: Outwash plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Coarse-loamy outwash derived from gneiss, sandstone and basalt

Typical profile

Oe - 0 to 2 inches: moderately decomposed plant material

Oa - 2 to 4 inches: highly decomposed plant material

A - 4 to 8 inches: sandy loam

Bw1 - 8 to 15 inches: sandy loam

Bw2 - 15 to 20 inches: sandy loam

Bw3 - 20 to 24 inches: loamy sand

Bw4 - 24 to 32 inches: sandy loam

BC - 32 to 40 inches: loamy sand

C1 - 40 to 47 inches: sand

C2 - 47 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat poorly drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (1.28 to 3.97 in/hr)

Depth to water table: About 6 to 18 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Moderate (about 7.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 2w

Hydrologic Soil Group: A/D

Minor Components

Horseneck

Percent of map unit: 10 percent

Landform: Outwash plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Preakness, poorly drained

Percent of map unit: 10 percent

Landform: Depressions

Landform position (two-dimensional): Toeslope

Landform position (three-dimensional): Base slope

Down-slope shape: Concave

Across-slope shape: Concave

Data Source Information

Soil Survey Area: Sussex County, New Jersey

Survey Area Data: Version 12, Sep 17, 2015